A Purposive-Behavioral Conceptual Model of Individual and Collective Decision-Making:

Using Ecosystem and Planning Process
Knowledge to Promote More Resilient and
Sustainable Communities

Richard K. Norton



National Adaptation Forum Denver, CO April 2, 2013

Extant natural systems
Extant social systems
Extant human-nature dynamics
Historical changes / experiences (past)
Trends (ongoing present)
Opacity / stochasticity / purposive change (future)

CULTURE / WORLDVIEWS

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Extant social systems
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KNOWLEDGE

<u>Understanding</u> / knowing

Meaning / insight

Pragmatic Critical Reasoned Intuitive

Genesis / Source

- Learned / vicarious / logical-analytical
- Formal / investigated / experimental
- Informal / experiential / local

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ABILITY

Capacity to learn
Opportunity to learn
Ability to act (actual / monetary)
Institutional / Legal authority to act

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ABILITY

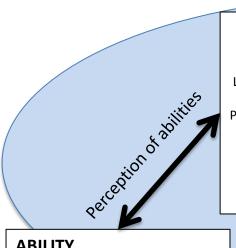
Capacity to learn
Opportunity to learn
Ability to act (actual / monetary)
Institutional / Legal authority to act

COMMITMENT

To recognize a problem
To address the problem
To prioritize the problem
To decision-making process
To decision-maker's authority

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To recognize a problem To address the problem To prioritize the problem To decision-making process To decision-maker's authority

COMMITMENT

Reflection on values

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DECISION-MAKING PROCESS

Expert ... Collaborative

Perception of adultite's

KNOWLEDGE

Understanding / knowing

Meaning / insight

Pragmatic Critical Reasoned Intuitive

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ABILITY

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Assessment



COMMITMENT

Reflection on values

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To address the problem
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FINDINGS

Particularized, context- and purposespecific understandings and insights



INTENT

Meaning / insight

Particularized, context- and findings-specific assertion of purpose

DECISION-MAKING PROCESS

Expert Collaborative

KNOWLEDGE Understanding / knowing

Logical positivist Interpretivist/constructivist Divine

Pragmatic Critical Reasoned Intuitive

Genesis / Source

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ABILITY

Capacity to learn Opportunity to learn Ability to act (actual / monetary) Institutional / Legal authority to act

Perception of abilities

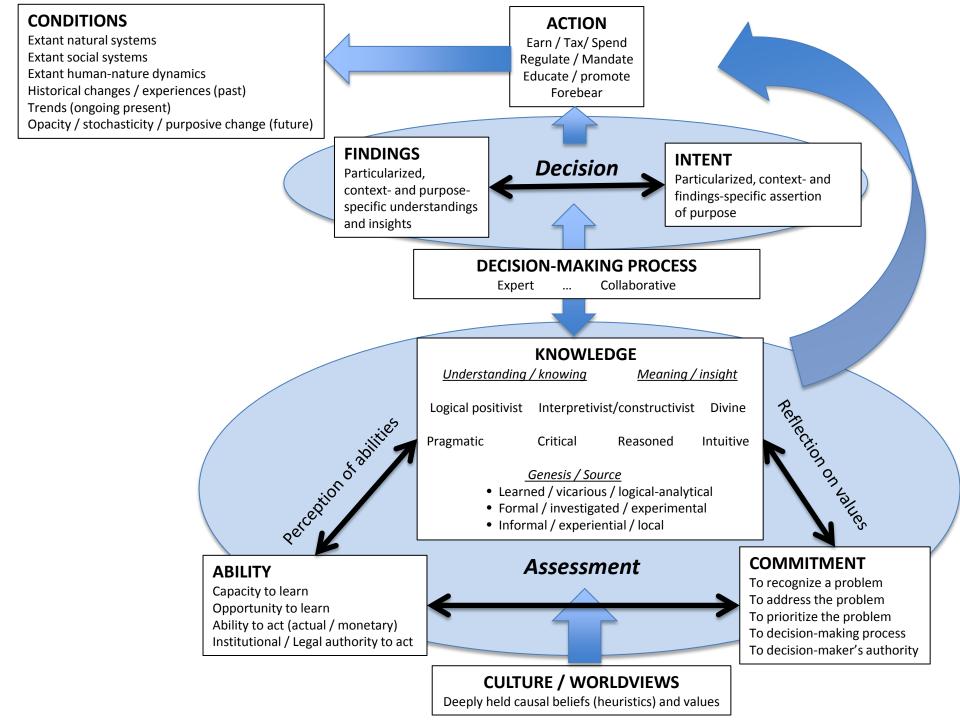


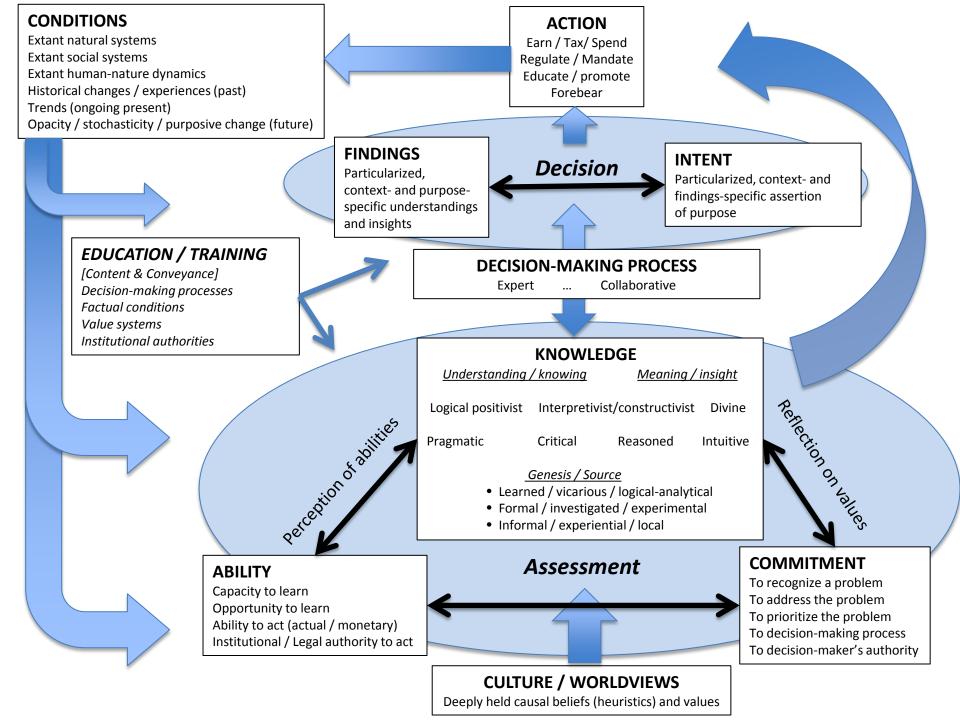
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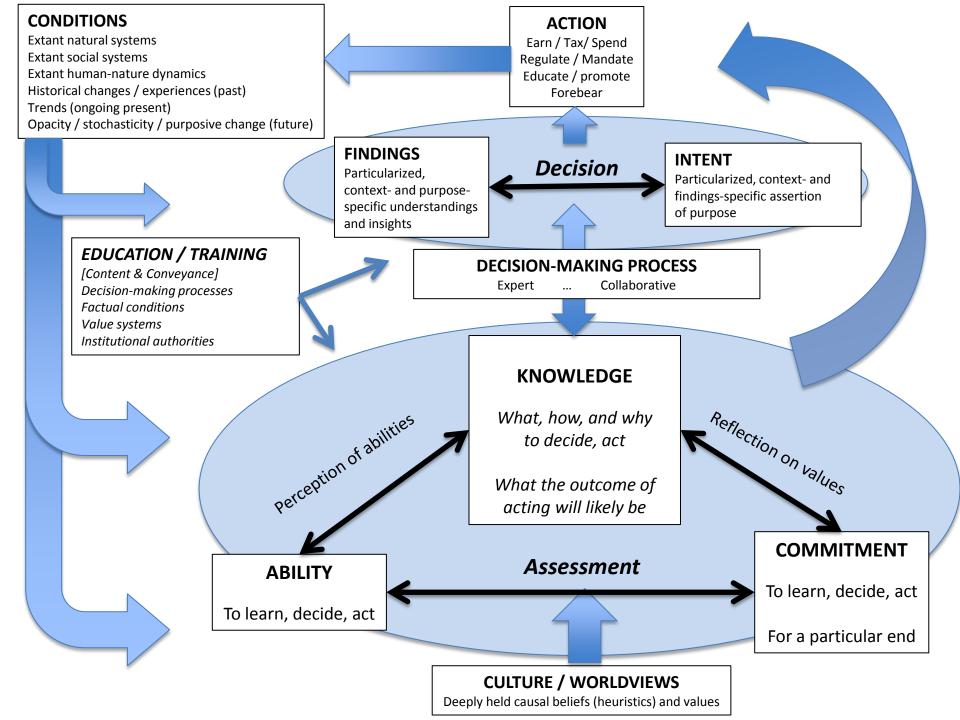
COMMITMENT

CULTURE / WORLDVIEWS









Lessons

- For practitioners
 - Knowledge is necessary, but not sufficient
 - Understand institutions, value systems
 - Engage as informed, collaborative participants
- For theorists
 - Black box models, simple models are both underspecified